

RE. **D****JUL 26 1993**REML **1100**

July 23, 1993

Mr. Bob Feild
Superfund Program
U.S. Environmental Protection Agency
Region VII
726 Minnesota Avenue
Kansas City, Kansas 66101

0751
asp *Syntex Verona*
MOD007452154
7.1

7.23.93

Re: Implementation Plan Modification to Construct
an Interim Drummed Waste Storage Building
Syntex Agribusiness, Inc., Verona, Missouri Facility

0751**3.0**DU-
0040027884
SUPERFUND RECORDS

Dear Bob:

This letter confirms our July 19, 1993 telephone conversation and my June 22 and 25, 1993 telephone conversations with Mark Bogina regarding construction of a drum storage building at the Verona site, which will be constructed under the following modification to the Verona Facility Implementation Plan.

The building serves two main purposes: (1) to eliminate handling and treatment of rainwater inside the Photolysis dike; and (2) to reduce the cost of maintaining the drums and equipment. Eliminating the rainwater management problem, by enclosing the Photolysis dike, will allow this structure to be dewatered and available for any future decontamination work. Further, storing the drums in a protected environment will greatly reduce deterioration of the drums when exposed to the weather. Gaining control over both activities will simplify maintenance and also greatly reduce maintenance costs.

Approximately 650 drums are currently being stored, which contain solids such as decontamination debris, sludges, personnel protective equipment (PPE), small metal parts from the Photolysis process, plastic pipe, pails, samples, etc. All of these materials were generated by taking the equipment out of service (decommissioning), decontamination of the NEPACCO/Photolysis equipment and subsequent maintenance of these materials and the equipment over the past three years. None of the drums contain liquids. All drummed liquids are contained in the T-9 building.

Sydney Verona

Smythe to Field
proposing to modify
implementation Plan

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Two attachments are submitted with this letter: (1) Attachment 1--a site map showing the location of the building in relation to other significant features in the immediate vicinity; and (2) Attachment 2--a foundation plan for the building. As discussed, please note the following regarding construction and use of the building:

- ▶ The building is planned for the storage of the drums for an indefinite period, while a final plan for their disposition is decided. If the drums are to be managed on a long-term basis in another on-site facility or disposed off-site, this building will be decontaminated and taken out of service as a waste storage building.
- ▶ The storage building will be constructed to comply with all substantive requirements under the Resource Conservation and Recovery Act, as amended, for storage of containerized, non-liquid hazardous wastes.
- ▶ No liquids are being stored inside, therefore, no spills are expected. Nevertheless, the slab will have a 4 inch curb and the floor will be sloped toward two, non-penetrating sumps that are approximately 2 inches deep. The non-penetrating feature of the sumps will facilitate removal of any water that may enter the building, without creating a potential route for leakage to the subsurface.
- ▶ No flammable materials are being stored inside, therefore, no fire protection is planned; however, a water main connection will be stubbed into the foundation to accommodate other future uses of the building following decommissioning.
- ▶ All work activity will be in accordance with the Health and Safety Plan for the site (Appendix 4-Verona Implementation Plan). It is important to note that the specific location of the planned construction is not one of the five subsites nor will it encroach into any of the subsites, and the levels of dioxin in the construction area (as determined in the Grid Area sampling) are below 1 ppb. (See Grid Area samples #205, #204, #194.)
- ▶ A 6-foot wide by 4-inch base of crushed rock will be placed around the foundation for vehicle and equipment access.
- ▶ Excess soil generated during construction will be used as fill under the foundation of the building. No soil or other material will require offsite management for construction of the storage building.

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- ▶ Following closure (including decontamination), the building will be transferred to Verona plant management for other possible uses. No plant activities of any kind will be permitted while wastes are being stored in the building.
- ▶ Construction will be completed within 30 days following completion of the foundation, weather permitting.
- ▶ The construction will not disturb or encroach upon the capped portion of the Spray Irrigation or inside the Spill Area.

Syntex proposes to modify the Verona Facility Implementation Plan, as set forth above, for construction of the building. Please respond at your earliest convenience.

SYNTEX AGRIBUSINESS, INC.



Gary L. Smythe, P.E.

Administrator, Environmental Projects

Attachments

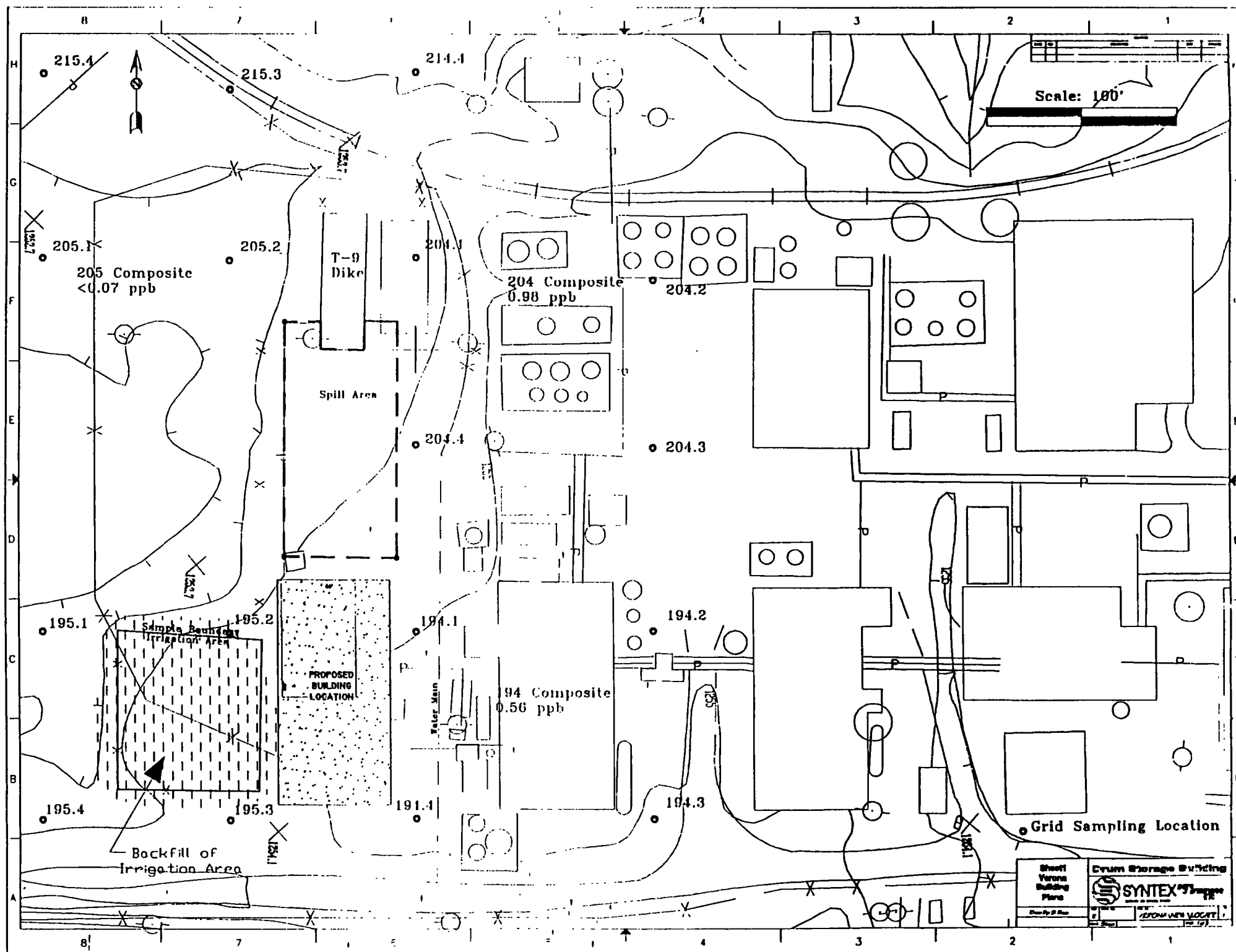
cc (w/attachments):

Mr. Gary J. Pendergrass, Syntex

Mr. James H. Long, MDNR

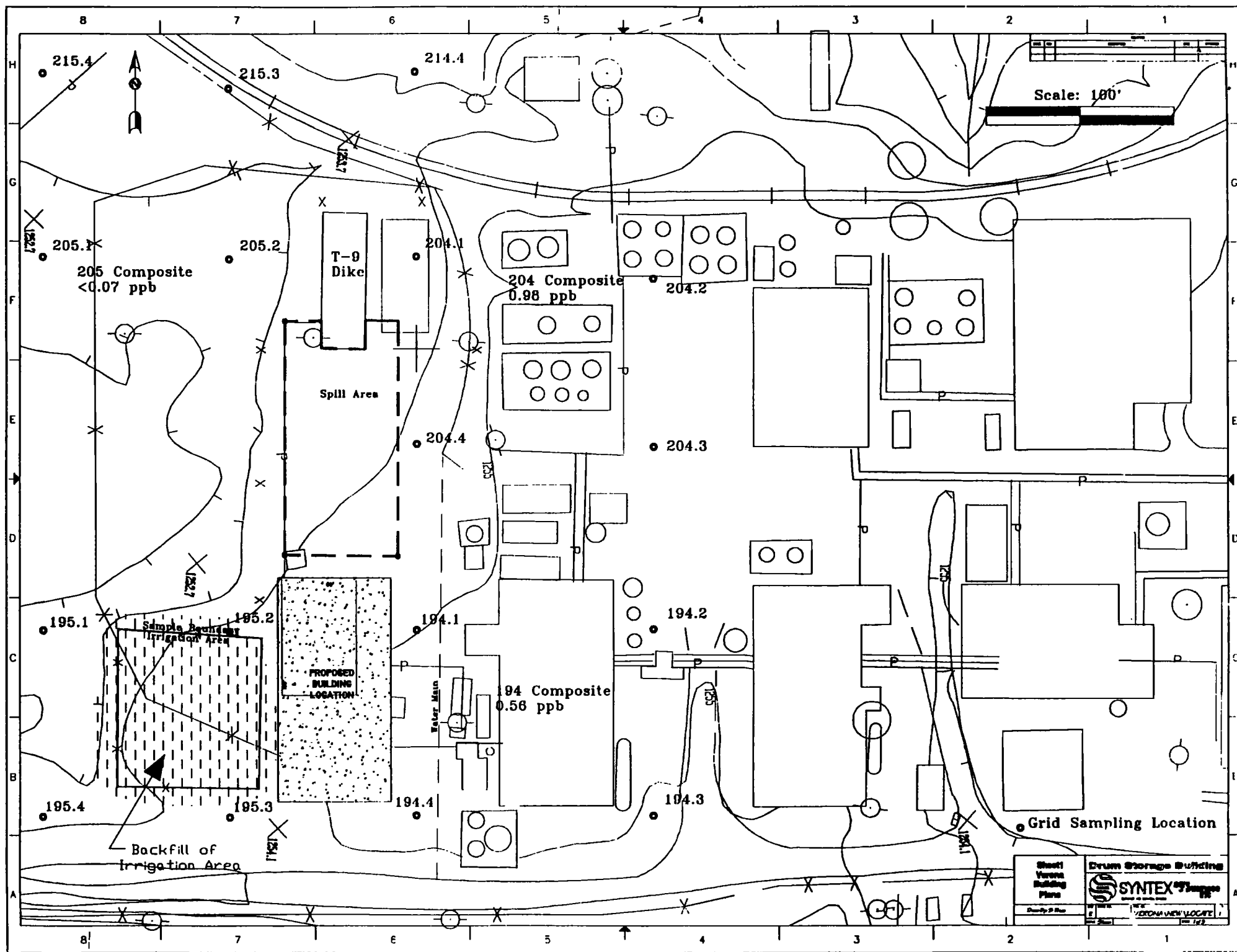
ATTACHMENT 1

BUILDING LOCATION PLAN



ATTACHMENT 1


BUILDING LOCATION PLAN



Scale: 100'

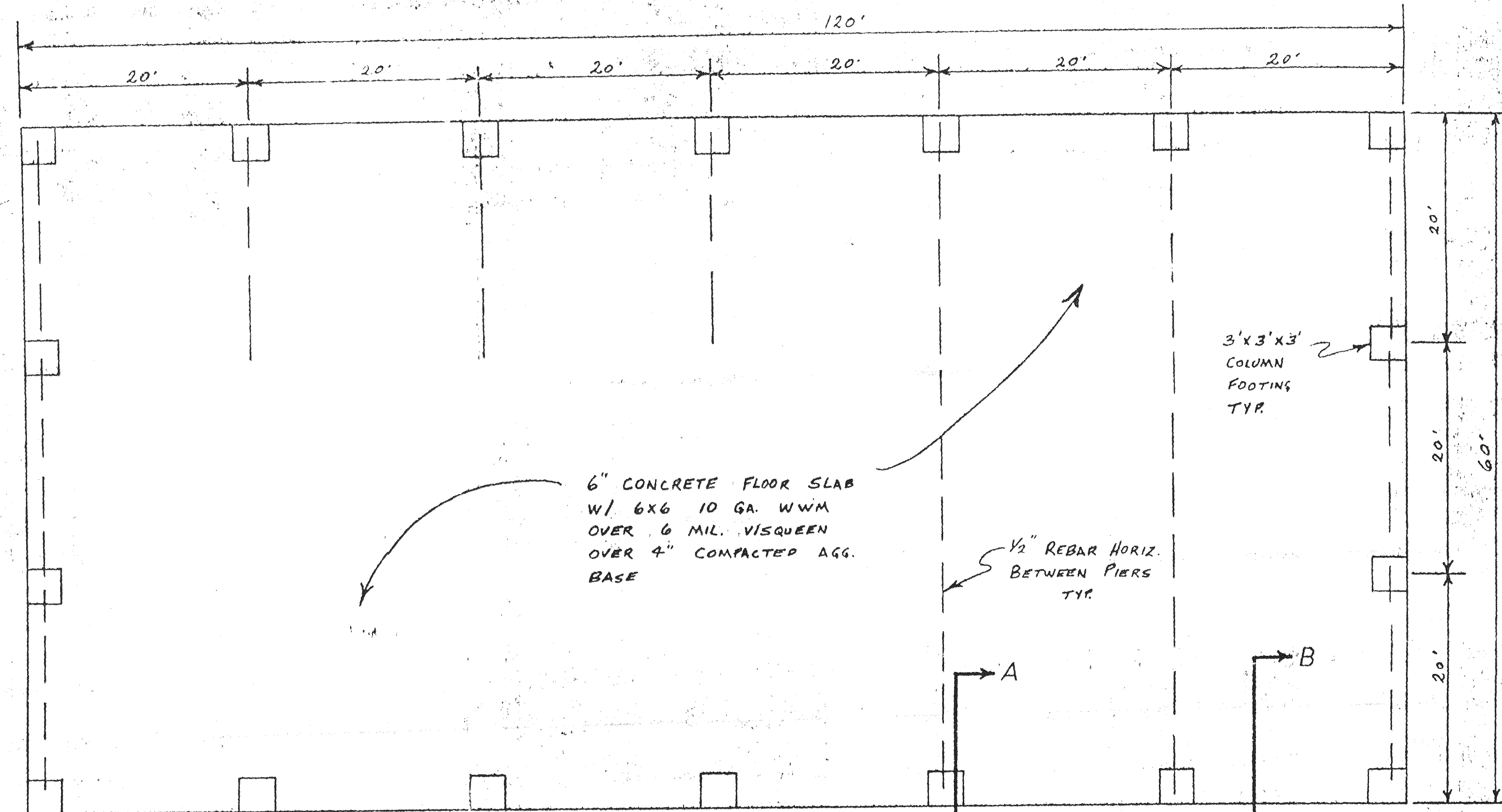
Sheet
Verona
Building
Plans
Drawn by: J. H. H.

Drum Storage Building

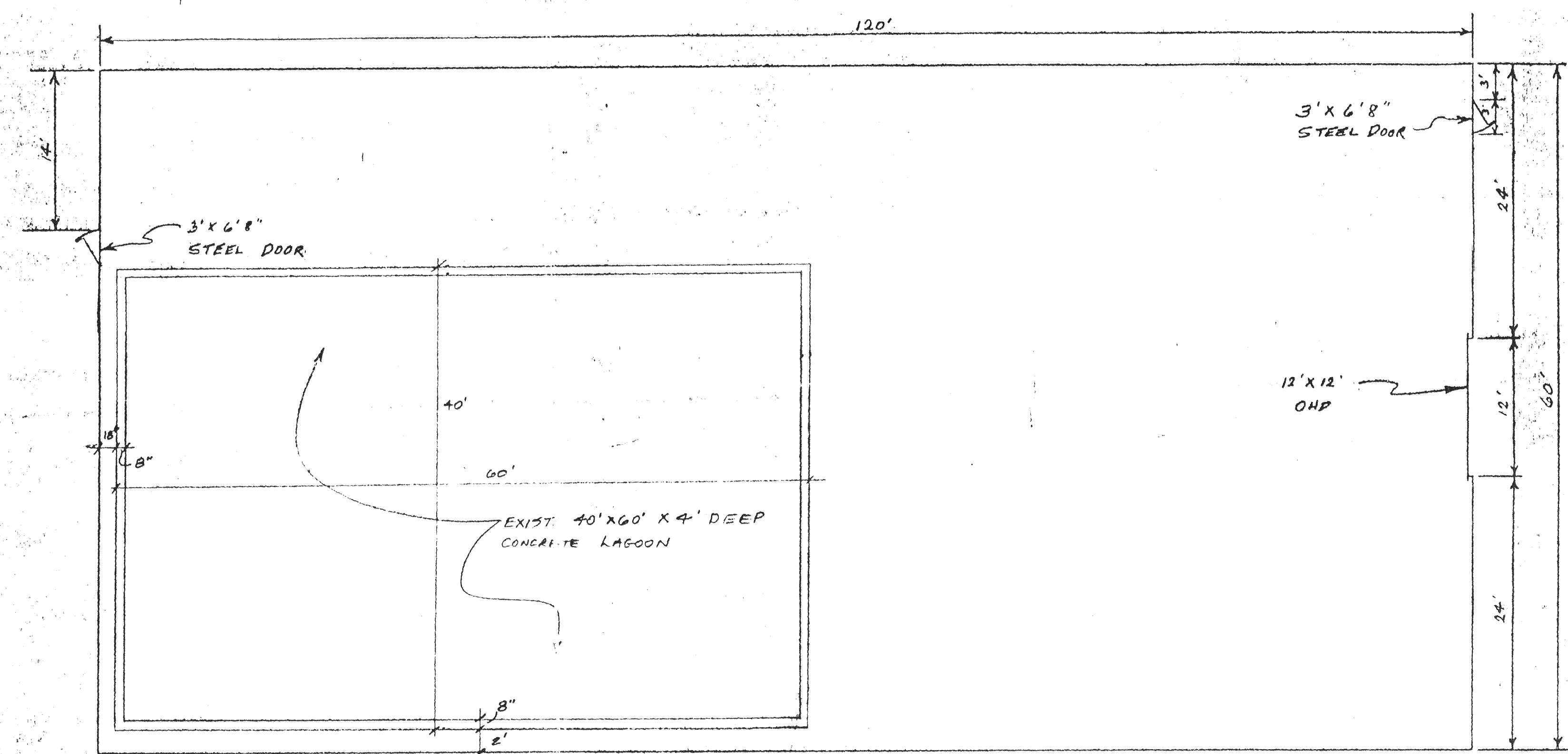
 **SYNTEX** Verona New Location

ATTACHMENT 2

FOUNDATION PLAN

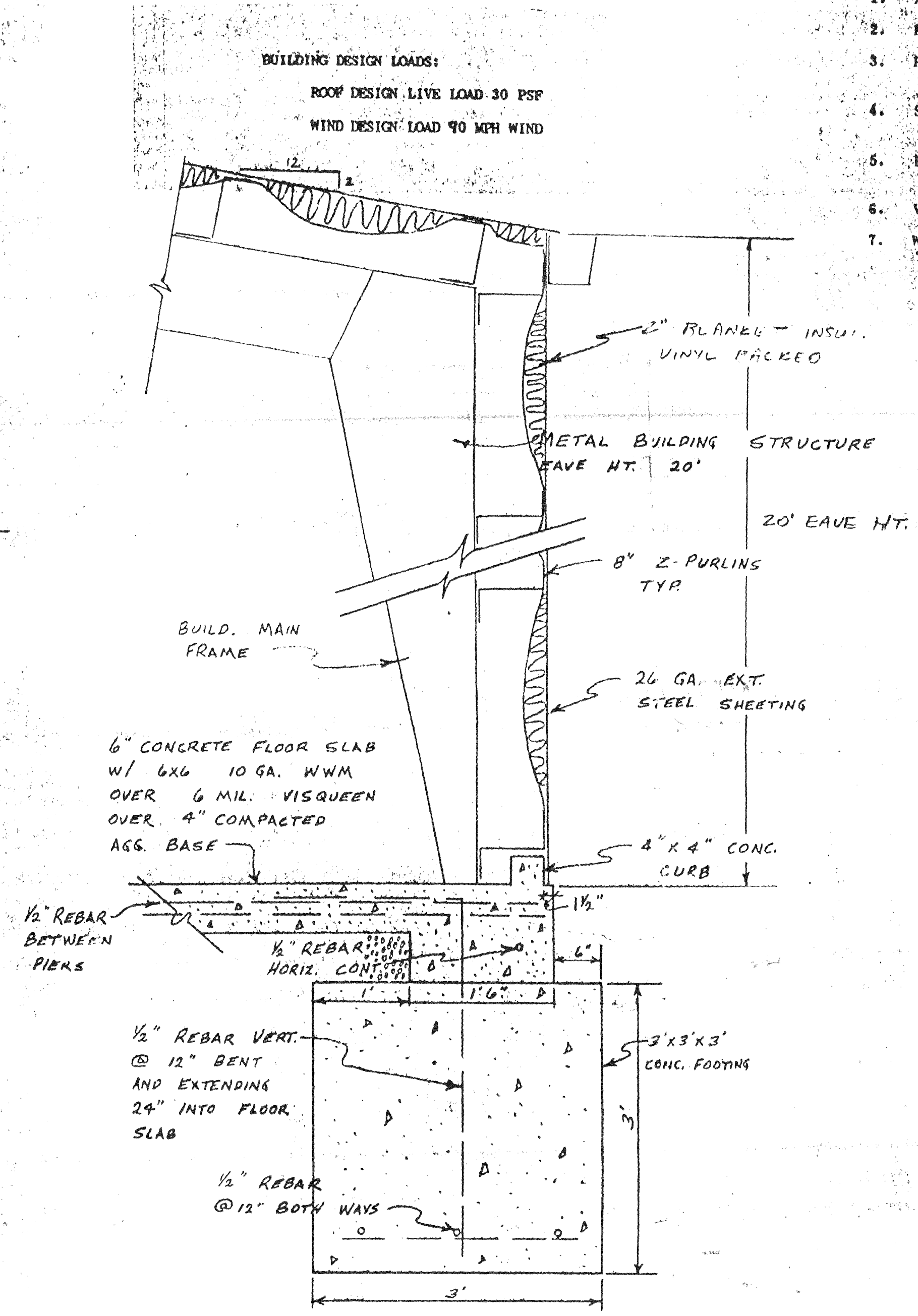


FOUNDATION PLAN
SCALE: 1/8" = 1'



FLOOR PLAN
SCALE: 1/8" = 1'

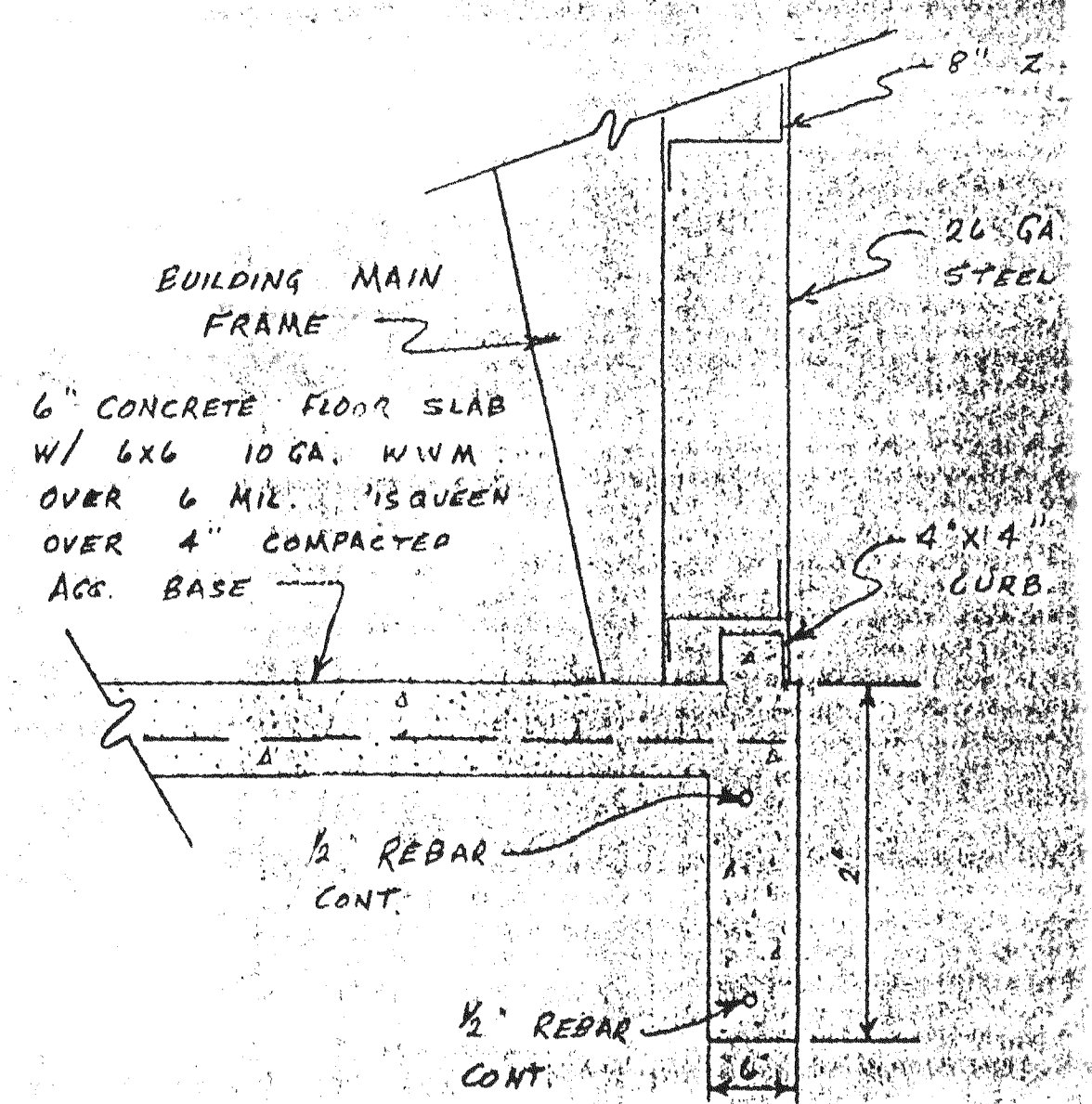
NOTE: METAL BUILDING SUPPLIER TO PROVIDE PLANS FOR METAL BUILDING AND ANCHOR BOLTS.



SECTION A-A
SCALE: 1" = 1'

GENERAL NOTES:

1. ALL CONCRETE SHALL BE 3,000 PSI MINIMUM AT 28 DAYS.
2. REINFORCEMENT SHALL BE ASTM A615 GRADE 60 DEFORMED.
3. REINFORCEMENT CLEARANCES: 4" FOR WALLS, 3" FOR FOOTINGS.
4. SPLICES OF HORIZONTAL REINFORCEMENT IN WALL AND FOOTINGS TO BE STAGGERED.
5. LAP ALL REINFORCING STEEL A MINIMUM OF 36 BAR DIAMETERS (OR 24") AT ALL SPLICES.
6. VAPOR BARRIER SHALL BE LAPPED 2' ON ITSELF.
7. WELDED WIRE MESH SHALL BE LAPPED 2 GRIDS AND SECURED WITH WIRE TIES.



SECTION B-B
SCALE: 1" = 1'

DATE		REVISIONS			

PROPOSED NEW BUILDING
SYNTEX AGRI-BUSINESS
VERONA, MISSOURI

TATE-CROCKER-CAPACES
CONSULTING ENGINEERS, INC.
2835 W.E. DIVISION, SPRINGFIELD, MO 65803

6/2/93

SHT. 1 OF 1